

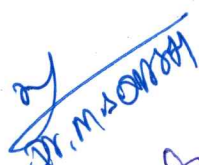
Technocrats Institute of Technology, Bhopal

M. Tech Power System Scheme of Examination

First Semester

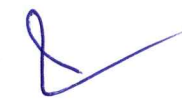
S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical / Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MTPS 101	Advanced Power System Analysis	3	0	0	3	70	20	10	-	-	100
2.	MTPS 102	Power System Dynamics-I	3	0	0	3	70	20	10	-	-	100
3.	MTPS 103	Professional Elective-I	3	0	0	3	70	20	10	-	-	100
4.	MTPS 104	Professional Elective-II	3	0	0	3	70	20	10	-	-	100
5.	MTPS 105	Lab-I Power System Lab	0	0	4	2	-	-	-	90	60	150
7.	MTPS 106	Lab-II Renewable Energy Lab	0	0	4	2	-	-	-	90	60	150
8	MTPS 107	Research Methodology and IPR	0	0	4	2	-	-	-	90	60	150
9.	MTPS 108-Audit-I	English for Research Paper Writing	2	0	0	0	-	-	-	-	-	-
		Total	14	0	12	18	280	80	40	270	180	850

Professional Elective-I	Professional Elective-II
(A) Wind and Solar System	(A) Power System Planning and Reliability
(B) High Power Converters	(B) Mathematical Methods for Power Engineering
(C) Smartgrids	(C) Electric and Hybrid Vehicles




 Dr. M. S. Soni

 (Devendra Sharma)

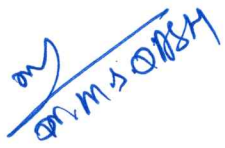




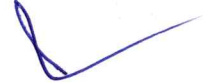
Second Semester

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Tests (Two)	Assignments / Quiz	End Sem. Practical / Viva	Practical Record/ Assignment/ Quiz/ Presentation	
1.	MTPS 201	Advanced Power System Protection	3	0	-	3	70	20	10	-	-	100
2.	MTPS 202	Power System Dynamics-II	3	0	-	3	70	20	10	-	-	100
3.	MTPS 203	Professional Elective-III	3	0	-	3	70	20	10	-	-	100
4.	MTPS 204	Professional Elective-IV	3	0	-	3	70	20	10	-	-	100
5.	MTPS 205	Lab-III Power System Protection Lab	0	0	4	2	-	-	-	90	60	150
6.	MTPS 206	Lab-IV Power Electronics Applications to Power Systems Lab	0	0	4	2	-	-	-	90	60	150
7.	MTPS 207	Pre Dissertation Synopsis & Paper Publication	0	0	4	2	-	-	-	90	60	150
8.	MTPS 208 Audit-II	Disaster Management	2	0	0	0	-	-	-	-	-	-
		Total	14	0	12	18	280	80	40	270	180	850

Professional Elective-III	Professional Elective-IV
(A) Restructured Power Systems	(A) SCADA System and Applications
(B) Digital Signal Processing	(B) Power Quality and Conditioning
(C) Power System Apparatus	(C) AI Techniques






Third Semester

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MTPS 301	Professional Elective-V	3	0	0	3	70	20	10	-	-	100
2.	MTPS 302	Open Elective	3	0	0	3	70	20	10	-	-	100
3.	MTPS 303	Seminar	0	0	4	2	-	-	-	-	100	100
4.	MTPS 304	Dissertation (Part I) (Implementation and Validation)	0	0	16	8	-	-	-	120	80	200
		Total	6	0	20	16	140	40	20	120	180	500

Professional Elective-V	Open Elective
(A) Power System Transient	(A) Industrial safety
(B) Reactive Power Control & FACTS	(B) Waste to Energy
(C) Power Controller	(C) Composite Materials

Dr. M.S. Qureshi
(Devendra Sharma)

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Fourth Semester

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Tests (Two)	Assignments / Quiz	End Sem. Practical/ Viva	Practical Record/ Assignment/ Quiz / Presentation	
1	MTPS 401	Dissertation (Part II)	0	0	32	16	-	-	-	300	200	500
		Total	0	0	32	16	-	-	-	300	200	500

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Dr. M.S. Qureshi

Dr.
(Devendra Sharma)

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